These Indexes include the papers published in **Lubrication Engineering,** Journal of the American Society of Lubrication Engineers, in **1955;** Volume, (Number), and Page as indicated. To order back issues (80c each to members, $1.00 each to non-members), please indicate Volume and (Number), include remittance, and mail to: ASLE Publications, 84 E. Randolph St., Chicago 1, Ill.

SUBJECT INDEX

Adapting The Static Water Test To Research Methods, by E. J. Schwoegler & L. U. Berman ..11(6), 1955, p. 381

Atoms Trace The Wear, by W. R. Miller & H. R. Jackson .....11(4), 1955, p. 238

Cages For High-Speed Cylindrical Roller Bearings, by W. J. Anderson & Z. N. Nemeth .....11(1), 1955, p. 40

Deposit Analysis In Lubrication Problems, by P. B. Burgess & J. F. Wygant .....11(3), 1955, p. 193

Effect Of Air & Nitrogen Atmospheres On The Temperature Limitations Of Liquid & Solid Lubricants In Ball Bearings, by Z. N. Nemeth & W. J. Anderson .....11(4), 1955, p. 267

Effects Of Sliding Velocity & Temperature On Wear & Friction Of Several Materials, by R. L. Johnson, M. A. Swikert & E. E. Bisson .....11(3), 1955, p. 164

Evaluating Bearing Materials Under Boundary Lubrication, by B. Lunn .....11(4), 1955, p. 255

Evaluation Of Lubricating Grease Compatibility, by A. L. McClellan & S. R. Calish, Jr. .....11(6), 1955, p. 412

Factors Influencing Friction & Wear With Solid Lubricants, by M. B. Peterson & R. L. Johnson .....11(5), 1955, p. 325

Factors Influencing Humidity Cabinet Test Results, by H. A. Hartung .....11(5), 1955, p. 332

Fluids For The Grinding Of Titanium, by E. J. Krabacher .....11(6), 1955, p. 397

Foaming Of A Heavy-Duty Lubricating Oil, by W. M. Pugh & L. M. Tichvinsky .....11(1), 1955, p. 29

Friction & Fretting With Solid Film Lubricants, by E. E. Weismantel .....11(2), 1955, p. 97

Frictional Characteristics Of Plastics, by W. C. Milz & L. B. Sargent, Jr. .....11(5), 1955, p. 313

Glass Lubricant In The Extrusion Of Steel, by J. Sejournet & J. Delcroix .....11(6), 1955, p. 389

Grease Lubrication Dispensing Equipment, Its Operation & Application, by L. R. McDonald .....11(6), 1955, p. 402

Hermetically Sealed Refrigeration Compressor Lubrication, by K. Borah .....11(5), 1955, p. 319

Hydrodynamic Lubrication Of A Cam & A Cam Follower, by R. Davies .....11(1), 1955, p. 37

Influence Of Moisture On The Friction & Surface Damage Of Clean Metals, The, by R. O. Daniels & A. C. West .....11(4), 1955, p. 261

Integrally Sealed Ball Bearings, by L. D. Cobb .....11(5), 1955, p. 340

Interpreting Ball Bearing Damage, by B. J. Dempsey .....11(2), 1955, p. 91

Lubrication Application Problems In Coal Mining (Panel), G. R. Spindler, Chrmn. .....11(1), 1955, p. 46

Lubrication Problems In The Steel Industry (Panel), T. A. Marshall, Chrmn. .....11(3), 1955, p. 171

Maintenance Of Quality In Aluminum Sheet Rolling Oils, by J. O. McLean .....11(5), 1955, p. 337

Maintenance Of Water-Soluble Machining Coolants During Use, by J. A. Prevel .....11(3), 1955, p. 178

Neutrons, Gamma Rays, & Wear, by A. Hundere G. C. Lawrason & J. P. O'Meara .....11(4), 1955, p. 230

Oil-Soaked Felt-Pad Lubrication Of Ball Bearings At High Speed & High Temperature, by H. S. White, J. F. Swindells & Harriet V. Belcher .....11(3), 1955, p. 182

Radiant Heating Of Lubricating Oil, by R. H. Johnson .....11(1), 1955, p. 35

Recent Advances In The Hydrodynamic Theory Of Slider-Bearing Lubrication, by F. Osterle & E. Saibel .....11(3), 1955, p. 187

Recent Advances In The Lubrication Field, by B. B. Farrington .....11(1), 1955, p. 17

Significance Of Viscosity Studies Of Fluid Lubricants At High Pressures, by L. B. Sargent, Jr...11(4), 1955, p. 249

Simple Demonstration Of Flow Type In Grease, A, by H. E. Mahncke & W. Tabor .....11(1), 1955, p. 22

Sliding Friction Test For Metalworking Lubricants, by W. J. Wojtowicz .....11(3), 1955, p. 174

Small-Scale Laboratory Evaluation Tests On Synthetic Lubricants, by F. J. Watson.....11(2), 1955, p. 86

Soluble Oil—Handle With Care, by A. A. Manteuffel .....11(5), 1955, p. 309

Some Unusual Conditions Encountered In The Lubrication Of Rolling Contact Bearings, by T. W. Morrison .....11(6), 1955, p. 405

Some Viscosity-Shear Characteristics Of Lubricants, by E. E. Klaus & M. R. Fenske .....11(2), 1955, p. 101

What Happened To My Oil? by C. W. Nichols, Jr. .....11(4), 1955, p. 242

AUTHOR INDEX

Anderson, W. J., & Z. N. Nemeth: **Cages For High-Speed Cylindrical Roller Bearings** .....11(1), 1955, p. 40

Anderson, W. J. (See: Nemeth-Anderson) 11(4), 1955, p. 267

Belcher, Harriet V. (See: White-Swindells-Belcher) .....11(3), 1955, p. 182

Berman, L. U. (See: Schwoegler-Berman) .....11(6), 1955, p. 381

Bisson, E. E. (See: Johnson-Swikert-Bisson) .....11(3), 1955, p. 164

Borah, K.: **Hermetically Sealed Refrigeration Compressor Lubrication** .....11(5), 1955, p. 319

Burgess, P. B., & J. F. Wygant: **Deposit Analysis In Lubrication Problems** .....11(3), 1955, p. 193

Calish, S. R., Jr. (See: McClellan-Calish) .....11(6), 1955, p. 412

Cobb, L. D.: **Integrally Sealed Ball Bearings** .....11(5), 1955, p. 340

Daniels, R. O., & A. C. West: **The Influence Of Moisture On The Friction & Surface Damage Of Clean Metals** .....11(4), 1955, p. 261

Davies, R.: **Hydrodynamic Lubrication Of A Cam & A Cam Follower** .....11(1), 1955, p. 37

Delcroix, J. (See: Sejournet-Delcroix) ....11(6), 1955, p. 389

Dempsey, B. J.: **Interpreting Ball Bearing Damage** .....11(2), 1955, p. 91

Farrington, B. B.: **Recent Advances In The Lubrication Field** .....11(1), 1955, p. 17

Fenske, M. R. (See: Klaus-Fenske) .....11(2), 1955, p. 101

Hartung, H. A.: **Factors Influencing Humidity Cabinet Test Results** .....11(5), 1955, p. 332

Hundere, A., G. C. Lawrason & J. P. O'Meara: **Neutrons, Gamma Rays, & Wear** .....11(4), 1955, p. 230

Jackson, H. R. (See: Miller-Jackson) ....11(4), 1955, p. 238

Johnson, R. H.: **Radiant Heating Of Lubricating Oil** .....11(1), 1955, p. 35

Johnson, R. L., M. A. Swikert & E. E. Bisson: **Effects Of Sliding Velocity & Temperature On Wear & Friction Of Several Materials** .....11(3), 1955, p. 164

Johnson, R. L. (See: Peterson-Johnson) .....11(5), 1955, p. 325

Klaus, E. E., & M. R. Fenske: **Some Viscosity-Shear Characteristics Of Lubricants** .....11(2), 1955, p. 101

Krabacher, E. J.: **Fluids For The Grinding Of Titanium** .....11(6), 1955, p. 397

Lawrason, G. C. (See: Hundere-Lawrason-O'Meara) .....11(4), 1955, p. 230

Lunn, B.: **Evaluating Bearing Materials Under Boundary Lubrication** .....11(4), 1955, p. 255

Mahncke, H. E., & W. Tabor: **A Simple Demonstration Of Flow Type In Greases** .....11(1), 1955, p. 22

Manteuffel, A. A.: **Soluble Oil—Handle With Care** .....11(5), 1955, p. 309

Marshall, T. A., Chrmn.: **Lubrication Problems In The**

Steel Industry (Panel) .....11(3), 1955, p. 171
McClellan, A. L., & S. R. Calish, Jr.: **Evaluation Of Lubricating Grease Compatibility** .....11(6), 1955, p. 412
McDonald, L. R.: **Grease Lubrication Dispensing Equipment, Its Operation & Application** ....11(6), 1955, p. 402
McLean, J. O.: **Maintenance Of Quality In Aluminum Sheet Rolling Oils** .....11(5), 1955, p. 337
Miller, W. R., & H. R. Jackson: **Atoms Trace The Wear** .....11(4), 1955, p. 238
Milz, W. C., & L. B. Sargent, Jr.: **Frictional Characteristics Of Plastics** .....11(5), 1955, p. 313
Morrison, T. W.: **Some Unusual Conditions Encountered In The Lubrication of Rolling Contact Bearings** .....11(6), 1955, p. 405
Nemeth, Z. N., & W. J. Anderson: **Effect Of Air & Nitrogen Atmospheres On The Temperature Limitations Of Liquid & Solid Lubricants In Ball Bearings** .....11(4), 1955, p. 267
Nemeth, Z. N. (See: Anderson-Nemeth) ....11(1), 1955, p. 40
Nichols, C. W., Jr.: **What Happened To My Oil?** .....11(4), 1955, p. 242
O'Meara, J. P. (See: Hundere-Lawrason-O'Meara) .....11(4), 1955, p. 230
Osterle, F., & E. Saibel: **Recent Advances In The Hydrodynamic Theory Of Slider-Bearing Lubrication** .....11(3), 1955, p. 187
Peterson, M. B., & R. L. Johnson: **Factors Influencing Friction & Wear With Solid Lubricants** ....11(5), 1955, p. 325
Prevel, J.: **Maintenance Of Water-Soluble Machining Coolants During Use** .....11(3), 1955, p. 178
Pugh, W. M., & L. M. Tichvinsky: **Foaming Of A Heavy-Duty Lubricating Oil** .....11(1), 1955, p. 29
Saibel, E. (See: Osterle-Saibel) .....11(3), 1955, p. 187
Sargent, L. B., Jr.: **Significance Of Viscosity Studies Of Fluid Lubricants At High Pressures** ..11(4), 1955, p. 249
Sargent, L. B., Jr. (See: Milz-Sargent) ..11(5), 1955, p. 313
Schwoegler, E. J., & L. U. Berman: **Adapting The Static Water Drop Test To Research Methods** .....11(6), 1955, p. 381
Sejournet, J., & J. Delcroix: **Glass Lubricant In The Extrusion of Steel** .....11(6), 1955, p. 389
Spindler, G. R., Chrmn.: **Lubrication Application Problems In Coal Mining** (Panel) .....11(1), 1955, p. 46
Swikert, M. A. (See: Johnson-Swikert-Bisson) .....11(3), 1955, p. 164
Swindells, J. F. (See: White-Swindells-Belcher) .....11(3), 1955, p. 182
Tabor, W. (See: Mahncke-Tabor) .....11(1), 1955, p. 22
Tichvinsky, L. M. (See: Pugh-Tichvinsky) .....11(1), 1955, p. 29
Watson, F. J.: **Small-Scale Laboratory Evaluation Tests On Synthetic Lubricants** .....11(2), 1955, p. 86
Weismantel, E.: **Friction & Fretting With Solid Film Lubricants** .....11(2), 1955, p. 97
West, A. C. (See: Daniels-West) .....11(4), 1955, p. 261
White, H. S., J. F. Swindells & Harriet V. Belcher: **Oil-Soaked Felt-Pad Lubrication Of Ball Bearings At High Speed & High Temperature** .....11(3), 1955, p. 182
Wojtowicz, W. J.: **Sliding Friction Test For Metalworking Lubricants** .....11(3), 1955, p. 174
Wygant, J. F. (See: Burgess-Wygant) ....11(3), 1955, p. 193

Plan NOW to attend the

11th

ASLE

Annual Meeting & Exhibit

Hotel William Penn, Pittsburgh

April 4-5-6, 1956

Advertisers' Index

Acheson Colloids Co. 437
Alemite Div., Stewart-Warner Corp. 377
Alpha Molykote Corp., The 369
American Potash & Chemical Corp. 372
Atlantic Refining Co., The 433
Baroid Div., National Lead Co. .....424 & 425
Bel-Ray Co., Inc. 376
Brooks Oil Co., The 366
Burns Laboratories, Inc. 426
Carbide & Carbon Chemicals Co. 431
Cuno Engineering Corp. 370
Farval Corp., The .....(Inside Back Cover)
Foote Mineral Co. 419
Garlock Packing Co., The 373
Grafo Colloids Corp. 363
Hercules Powder Co. 379
Hodson Corp., The .....(Back Cover)
Houdaille-Hershey of Indiana, Inc. 423
Houghton & Co., E. F. 421
International Lubricant Corp. 434
Ironsides Co., The 436
Lincoln Engineering Co. 435
Lithium Corp. of America, Inc. 429
Lubriplate Div., Fiske Bros. Refining Co. 438
Madison-Kipp Corp. 368
Manzel Div. of Houdaille-Hershey Corp. 428
Morgan Construction Co. 362
Norgren Co., C. A. 427
Polymer Corp. of Pennsylvania, The 378
Shell Oil Co. 364
Sinclair Refining Co. 422
Sun Oil Co. 374
Trabon Engineering Corp. .....(Inside Front Cover)

creativity?

Chemistry and Physics —Pure and Applied
Process Engineering
Mechanical Analysis, Design and Development
Metallurgy
Electronics Research
Petro-Chemical Technology
Food and Flavor Research
Biology
Operations Research
Industrial Economics and Management Services
Regional Development

No bars or shackles or preconceived notions of doing things restrict your imagination and resourcefulness in tackling an assignment at ADL.

The creativity of the individual to find sound, practical solutions for a wide variety of industrial problems is what has made ADL one of the best-known private industrial research laboratories.

There are OPENINGS NOW at ADL which offer unlimited opportunity for men with university training and appropriate experience. Your inquiry will receive prompt, individual attention.

Write To
Personnel Director —
Professional Staff
Dept. 22

Arthur D. Little, Inc.
Established 1886
28 Memorial Drive
Cambridge 42, Mass.